

Profiles for SMW to Increase Data Modeling Expressiveness (cf. OWL 2 Profiles)

```
:property1 ex:range :Category2  
:Category1 ex:disjointWith :Category2
```



Schema (TBox)

```
:page1 :hasCategory :Category1  
:page1 :property1 :page2  
:page2 :hasCategory :Category1
```



Instance (ABox)



```
:page2 :hasCategory :Category2
```

■ Restriction Examples:

- (1) Assert that a **specific property** should only be used on pages pertaining to **specific categories**
- (2) The page represented as **value** of a **property** must pertain to a **specified category** (or is then member of it).

(potential) Inconsistency